

Claims

1. Wiper blade (10) for windshields of motor vehicles, with an elongated rubber-elastic wiping strip (14) which can be placed in contact against the windshield to be wiped and which is held substantially parallel to the longitudinal axis at an elongated, springing-elastic carrying element (12) as a first structural component part, a connection device (16) for complementing connection means (20) of a driven wiper arm (18) which are loaded toward the windshield being arranged as a further structural component part at the center portion of the carrying element (12), wherein the connection device (16) has two stop surfaces (36) which are located at a distance from one another, extend transverse to the driving direction, are parallel to one another and oriented in planes extending vertical to the windshield, and cooperate with counter-stops of the wiper arm (18), characterized in that one of the two structural component parts (12 or 16) which are connected with one another is provided with elastically deflectable catch means which cooperate with the complementing catch means of the other structural component part (16 or 12) in such a way that the two structural component parts (12 and 16) are locked together.
2. Wiper blade according to claim 1, characterized in that the catch means are arranged at the connection device (16).
3. Wiper blade according to claim 2, characterized in that the catch means have at least one catch shoulder (48) lying in a plane at least approximately parallel to the windshield surface (26), and in that a complementing catch shoulder of the carrying element (12) is associated with this catch shoulder.
4. Wiper blade according to one of claims 2 or 3, characterized in that the catch means have at least one retaining shoulder which is arranged transverse to the longitudinal extension of the carrying element, and in that a complementing retaining shoulder of the carrying element is associated with this retaining shoulder.

5. Wiper blade according to one of claims 3 or 4, characterized in that the catch shoulder or retaining shoulder is arranged at the free end of a tongue which is arranged at the connection device (16) and spring-loaded in the direction of the carrying element (12).

6. Wiper blade according to one of claims 4 or 5, characterized in that the complementing catch shoulder or complementing retaining shoulder associated, respectively, with the catch shoulder and retaining shoulder is formed by a cutout at the carrying element.

7. Wiper blade according to one of claims 5 or 6, characterized in that the connection device (16) is manufactured from an elastic plastic, and in that the tongue (38) is connected integral with the connection device (16).

8. Wiper blade according to one of claims 1 to 7, characterized in that the connection device (16) has two cheeks which are located at a distance from one another, extend transverse to the driving direction, are parallel to one another and oriented in planes vertical to the windshield, wherein catch means of the connection device (16) are connected with the cheeks.

9. Wiper blade according to claim 8, characterized in that the connection device (16) has a substantially U-shaped cross section viewed transverse to the longitudinal extension of the wiper blade (10), wherein the base (30) of the "U" contacts the carrying element (12) and the legs (32, 34) of the "U" form the cheeks.

10. Wiper blade according to one of claims 8 or 9, characterized in that each of the cheeks (32, 34) has a striplike extension (40) extending beyond the U-base (30), wherein the distance (42) between these striplike extensions (40), measured in the working direction (double arrow 29) of the wiper blade (10), is adapted to the width (44) of the carrying element (12) measured in the working direction in the mounted position.

12. Wiper blade according to one of claims 1 to 7, characterized in that the connection device (16) has a base plate (30) which can be placed on the upper side of the carrying element (12), catch means (150, 152) of the connection device (16) being arranged at this base plate (30).

14. Wiper blade according to claim 13, characterized in that the complementing retaining shoulder facing the retaining shoulder (154) is formed by a cutout (156) at the carrying element (12).

15. Wiper blade according to one of claims 12 to 14, characterized in that the connection device (16) has, on the side of its base plate (30) facing the windshield, at least two guide strips (136) which extend in the direction of the longitudinal axis of the carrying element and are L-shaped in cross section, wherein the L-legs (138) remote of the base plate (30) are directed toward one another in a clawlike manner, wherein the distance between the other L-legs (140) is adapted to the width (144) of

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